

IN THE CLAIMS

What is claimed is:

1. An NBC resistant material comprising:
5 a non-NBC resistant polymeric layer having an outside and inside surface with a coating of NBC resistant material on at least one of the outside and the inside surfaces.
- 10 2. The material as claimed in claim 1, wherein the surface of the polymeric layer to which the coating of NBC resistant material is applied is treated with a high frequency and high voltage corona discharge which changes the surface of the polymeric layer to provide a keying surface thereon to which the coating of NBC resistant material adheres.
- 15 3. The material as claimed in claim 1, wherein the polymeric layer is vulcanised silicone rubber.
4. The material as claimed in claim 1, wherein the coating of NBC resistant material is a butyl rubber material.
- 20 5. A method of applying a coating of NBC resistant material to a non-NBC resistant polymeric layer comprising the steps of:

subjecting a surface of the polymeric layer to be coated to a high frequency and high voltage corona discharge to change the surface of the polymeric material to provide a keying surface thereon; and

5 applying the coating of NBC resistant material to the surface of the polymeric material.

6. The method as claimed in claim 5, wherein the polymeric layer is a vulcanised silicone rubber material.

10 7. The method as claimed in claim 5, wherein the NBC resistant material is butyl.

8. The method as claimed in claim 6, further comprising the step of washing with soapy water, rinsing and drying the vulcanised silicone rubber
15 material prior to applying the corona discharge thereto.

9. The method as claimed in claims 7, further comprising the step of spraying the coating of NBC resistant material onto the keying surface.

20 10. The method as claimed in claim 9, further comprising the steps of: spraying a plurality of coats of butyl onto the polymeric material; and allowing each coat to dry before the application of a subsequent coat of butyl.

11. The method as claimed in claim 10, further comprising the step of
vulcanising the silicone rubber material, coated with at least one layer of butyl, by
placing the silicone rubber material, coated with the at least one layer of butyl in a
5 preheated oven.

12. The method as claimed in claim 11, wherein the oven is preheated to
a temperature above 200°C.

10 13. The method as claimed in claim 12, wherein the step of vulcanising
takes place for approximately 30 minutes.

14. The method as claimed in claim 13, wherein the polymeric layer has
an inside and outside surface, and wherein the method further includes the step of
15 applying the NBC resistant material to at least one of the inside and outside
surfaces.

15. The method as claimed in claim 5, further comprising the steps of:
spraying a plurality of coats of the NBC resistant material onto the
20 polymeric material; and
allowing each coat to dry before the application of a subsequent coat.

16. The method as claimed in claim 15, further comprising the step of vulcanising the polymeric layer, coated with at least one layer of the NBC resistant material, by placing the polymeric layer, coated with at least one layer of the NBC resistant material in a preheated oven.

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17. The method as claimed in claim 16, wherein the oven is preheated to a temperature above 200°C.

18. The method as claimed in claim 17, wherein the step of vulcanising
10 takes place for approximately 30 minutes.

19. The method as claimed in claim 18, wherein the polymeric layer has an inside and outside surface, and wherein the method further includes the step of applying the NBC resistant material to at least one of the inside and outside
15 surfaces.